Leaf ROBOTICS

MANUFACTURED BY CenoBots

TECHNOLOGY BY CENOBOTS

MODEL · AUTONOMOUS SCRUBBER-DRYER

L4

Mid-size scrubbing for crowded, complex sites

Routine floor scrubbing on a repeatable schedule, working alongside your team. Sold, deployed and serviced by Leaf Robotics.



MIN. PASSABLE WIDTH	CLEANING WIDTH	SOLUTION TANK
mm	mm	L

02 · BENEFITS

Made for busy aisles and tight turns

An 810 mm passable width and 1,100 mm turn-around width let the L4 work through crowded aisles, cleaning to within 3 cm of walls.

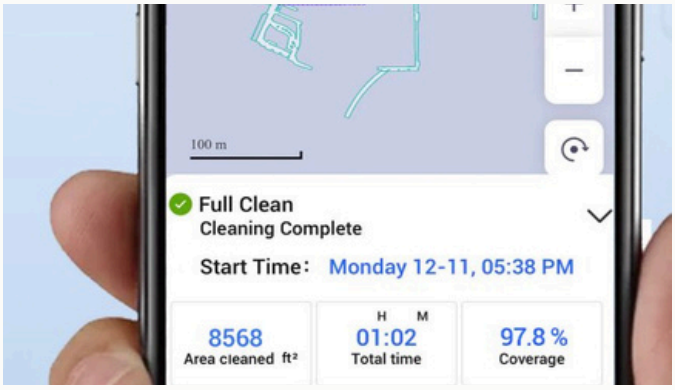
TURN-AROUND WIDTH	DISTANCE FROM WALL
mm	cm



01	**Capacity for mid-size sites**	38 L solution tank and 450 mm cleaning width, with 20 kg brush pressure at 270 RPM.
02	**Multi-sensor safety**	32-beam 3D LiDAR, 3D depth cameras and a bumper sensor for obstacle avoidance. Manufacturer-stated.
03	**Simple to run**	10.1 in touchscreen and mobile app, with AI stain and liquid detection on an NVIDIA chip (32 TOPS).
04	**Less hands-on maintenance**	The CWS-01 workstation refills water and detergent and charges the robot. Magnetic brush, 30-second squeegee blade change and a large-opening tank.
05	**Water matched to speed**	Smart Flow adjusts water flow to travel speed to reduce water and detergent use. Manufacturer-stated.



CWS-01 WORKSTATION · CENOBOTS



MOBILE APP · CLEANING REPORT

Specification

MODEL L4 · UNVERSIONED · SOURCE: CENOBOTS L4 BROCHURE, UNDATED · ALL VALUES STATED BY THE MANUFACTURER, CENOBOTS

DIMENSIONS

PARAMETER	VALUE
Length	810 mm · 31.9 in
Width (without squeegee)	615 mm · 24.2 in
Height	1,075 mm · 42.3 in
Weight	150 kg · 331 lb
Cleaning width	450 mm · 17.7 in
Squeegee width	740 mm · 29.1 in

CLEANING

PARAMETER	VALUE
Max. productivity, theoretical	1,944 m²/hr · 20,925 ft²/hr
Brush pressure	20 kg · 44 lb
Brush speed	270 RPM
Solution tank	38 L · 10 gal
Recovery tank	36 L · 9.5 gal

KEY COMPONENTS

PARAMETER	VALUE
Processing chip	NVIDIA, 32 TOPS AI
Localisation sensor	3D LiDAR, 150 m range

MOVEMENT

PARAMETER	VALUE
Max. speed	1.2 m/s · 2.68 mph
Min. distance from wall	3 cm · 1.2 in
Min. passable width	810 mm · 31.9 in
Min. turn-around width	1,100 mm · 43.3 in
Gradeability	8%

POWER

PARAMETER	VALUE
Battery type	Lithium iron phosphate
Battery capacity	70 Ah
Rated voltage	24 V DC
Charging time	2.7 hrs
Max. runtime	4.5 hrs

SAFETY

PARAMETER	VALUE
Sensing	3D LiDAR, 3D depth camera, bumper, IMU
Sound pressure level	≥ 66 dB(A)

DETECTION · MANUFACTURER-STATED

150 m
32-BEAM 3D LIDAR RANGE

Protruding
OBJECT DETECTION

≤ 3 cm
LOW OBJECT DETECTION

Cliff
EDGE AND DROP DETECTION

04 · SITE SUITABILITY

Where the L4 fits, and what it needs

RETAIL	HEALTHCARE	HOSPITALITY	OFFICES AND MALLS
Stores and supermarket aisles.	Hospital corridors and circulation areas.	Hotel lobbies and corridors.	Office buildings and shopping centres.

ENVIRONMENTS SUGGESTED BY CENOBOTS · SUITABILITY CONFIRMED BY LEAF ROBOTICS SITE SURVEY BEFORE DEPLOYMENT

CONSTRAINTS

—Minimum passable width of 810 mm and turn-around width of 1,100 mm (manufacturer-stated).
—Maximum gradient of 8% (manufacturer-stated).
—Automatic refilling, drainage and charging need the CWS-01 workstation.
—Suitable flooring types and other site limits to be confirmed by Leaf Robotics survey.



SIDE VIEW



CWS-01 WORKSTATION



RETAIL AISLE · CENOBOTS RENDER

05 · CONTACT

Book a site demo

Leaf Robotics is your single contact for site survey, deployment, training and service.

Phone · +44 (0) 7702 512 712
Email · info@leafhygiene.com
Web · leafhygiene.com

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Leaf ROBOTICS

TECHNOLOGY BY CENOBOTS

MANUFACTURER

CenoBots

The L4 is designed and manufactured by Cenobots. Product marks shown are Cenobots'. Sold, deployed and serviced by Leaf Robotics, a division of Leaf Hygiene.